

2005

Injury-related Emergency Dept. Visits MA Youth & Young Adults, Ages 15-24 Years

There were 144,555 injury-related emergency department (ED) visits among Massachusetts youth between the ages of 15-24 years in FY2005. About 1 in 6 youth in this age group suffered an injury. The leading causes for this age group were struck by or against an object, and motor vehicle traffic injuries.

INJURY CAUSE	INJURY INTENT					Total Count	Percent of Total Count	Crude Rate per 100,000
	Unintentional	Intentional		Undetermined	Other & Legal			
		Self-inflicted	Assault					
Cut/pierce	15,061	1,105	731	71	0	16,968	11.7	1,994.7
Drowning/submersion	29	1	0	0		30	<0.1	3.5
Fall	19,661	9	10	18		19,698	13.6	2,315.6
Fire/burn	2,051	18	15	3		2,087	1.4	245.3
Firearms	69	1	117	25	2	214	0.1	25.2
Machinery	794					794	0.5	93.3
Natural/environmental	3,645	0		2		3,647	2.5	428.7
<i>Dog bites</i>	866	0		0		866	0.6	101.8
<i>Other bites & stings</i>	2,247	0		0		2,247	1.6	264.1
<i>All other (e.g. extreme cold)</i>	532	0		2		534	0.4	62.8
Overexertion	17553					17,553	12.1	2,063.4
Poisoning	1,181	1,336	16	773	1	3,307	2.3	388.8
Struck by, against	25,613	0	5,231	0	143	30,987	21.4	3,642.6
Suffocation/hanging	25	27	14	2		68	<0.1	8.0
Transport Injuries:	28,681	3	2	0	0	28,686	19.8	3,372.1
<i>Motor vehicle traffic-related</i>	25,900	3	2	0	0	25,905	17.9	3,045.2
<i>Occupant</i>	22,909					22,909	15.8	2,693.0
<i>Motorcyclist</i>	722					722	0.5	84.9
<i>Pedal cyclist</i>	287					287	0.2	33.7
<i>Pedestrian</i>	834					834	0.6	98.0
<i>Other person</i>	78					78	0.1	9.2
<i>Unspecified person</i>	1,070					1,070	0.7	125.8
<i>Pedal cyclist, other</i>	1,399					1,399	1.0	164.5
<i>Pedestrian, other</i>	85					85	0.1	10.0
<i>Other transport</i>	1,297					1,297	0.9	152.5
Other specified & classifiable	6,126	7	724	22	1	6,880	4.8	808.8
Other specified, not classifiable	1,621	235	1,142	60	3	3,061	2.1	359.8
Unspecified	7,012	72	969	92	22	8,167	5.6	960.1
Adverse Effects						146	0.1	17.2
No cause or intent provided						2,262	1.6	265.9
TOTALS	129,122	2,814	8,971	1,068	172	144,555	100.0	16,993.0
Injury ED Visit Rate by Intent	15,178.8	330.8	1,054.6	125.5	20.2	n/a	n/a	n/a

Source: MA Emergency Department Discharge Database, MA Division of Health Care, Finance and Policy.

—Analysis is based on a fiscal year (Oct 1, 2004 - Sep 30, 2005).

—Rates are per 100,000 residents. Rates are not calculated on counts of less than five, and those based on counts less than twenty may be unstable.

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data" based on ICD-9 codes. This framework does not provide for intentionality for certain cause categories as indicated by gray shading. Injury subcategories are italicized and counts are excluded from the overall totals.

- Due to data quality issues, the external cause of injury codes (E-Codes) for one hospital, have been excluded from analysis. Total injury counts presented in this matrix include injuries captured only in the primary ICD9 field for this hospital.

—Questions regarding the data presented here can be directed to the Injury Surveillance Program, MA Dept. of Public Health (617) 624-5648.

Data prepared by the Injury Surveillance Program, Center for Health Information, Statistics, Research and Evaluation, Massachusetts Department of Public Health.
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